

Title (en)
HYDRAULIC VALVE DEVICE

Title (de)
HYDRAULISCHE VENTILVORRICHTUNG

Title (fr)
MÉCANISME HYDRAULIQUE À SOUPAPE

Publication
EP 2220381 A1 20100825 (DE)

Application
EP 08802278 A 20080917

Priority
• EP 2008007750 W 20080917
• DE 102007054134 A 20071114

Abstract (en)
[origin: WO2009062564A1] The invention relates to a hydraulic valve device, especially an LS current regulating valve, comprising a fluid connection arrangement (10) containing a plurality of useful connections and supply connections, and at least one mobile control device (14) for at least partially controlling the connections of the fluid connection arrangement (10). As the respective control device (14) associated with a useful connection (A,b) comprises a control slide (16) upstream of which a pressure balance (18) is mounted in the fluid direction towards each useful connection (A, B), any system vibrations occurring in the load sensing regulating circuit can be better controlled and the respectively connected hydraulic consumer can be subjected to a constant current regulation.

IPC 8 full level
F15B 13/08 (2006.01)

CPC (source: EP US)
F15B 13/0402 (2013.01 - EP US); **F15B 13/0418** (2013.01 - EP US); **F15B 13/08** (2013.01 - EP US); **Y10T 137/87209** (2015.04 - EP US); **Y10T 137/877** (2015.04 - EP US)

Citation (search report)
See references of WO 2009062564A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
DE 102007054134 A1 20090520; EP 2220381 A1 20100825; EP 2220381 B1 20140618; JP 2011503479 A 20110127; JP 5462177 B2 20140402; US 2010307621 A1 20101209; US 8479769 B2 20130709; WO 2009062564 A1 20090522

DOCDB simple family (application)
DE 102007054134 A 20071114; EP 08802278 A 20080917; EP 2008007750 W 20080917; JP 2010533448 A 20080917; US 73429008 A 20080917